

NORMAL mRNA

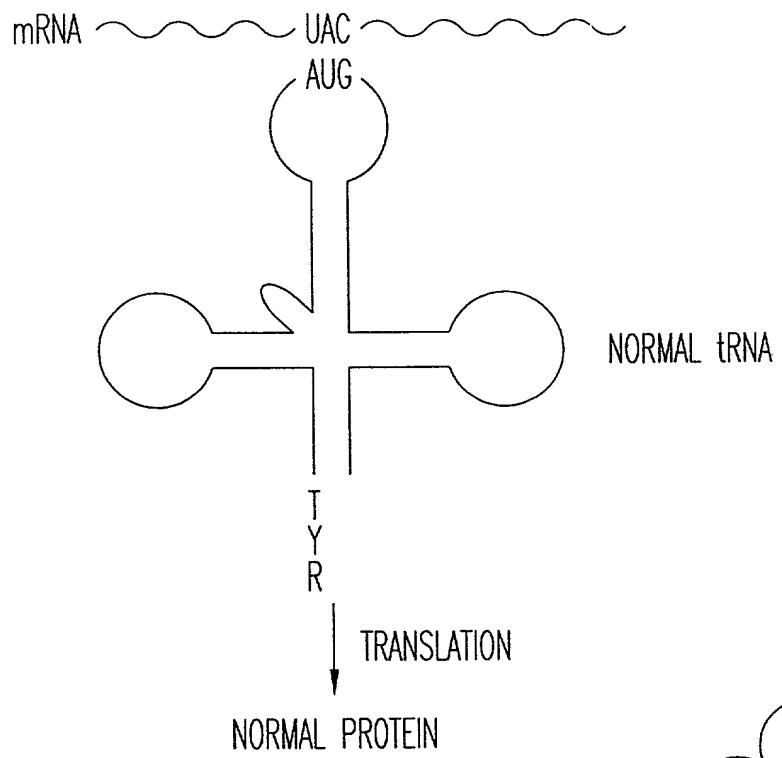


Fig. 1A

MUTANT mRNA
WITH NONSENSE
OCHRE MUTATION

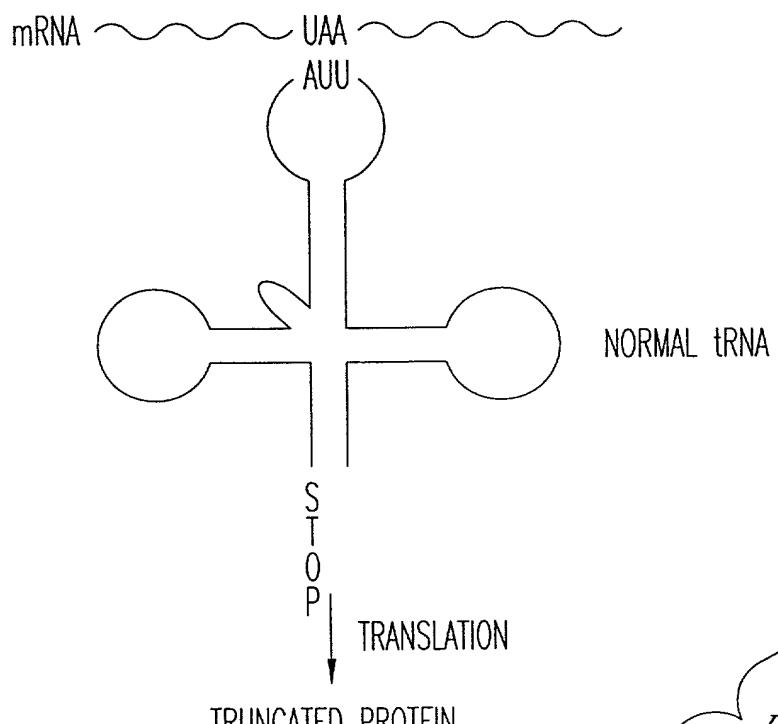


Fig. 1B

MUTANT mRNA WITH NONSENSE OCHRE MUTATION

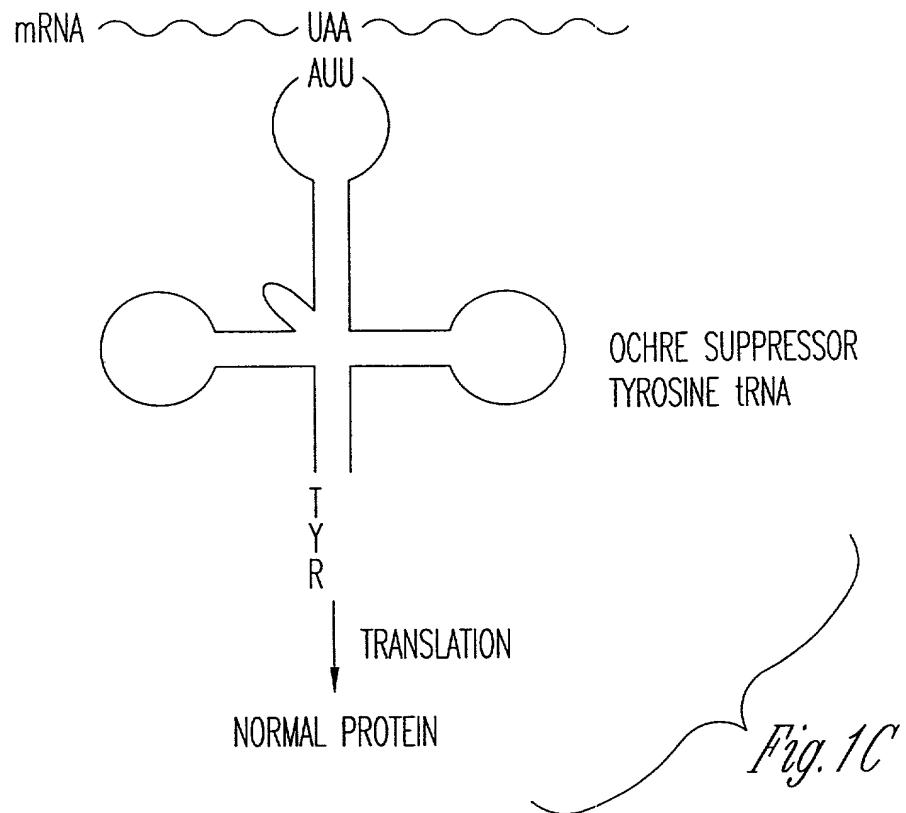


Fig. 1C

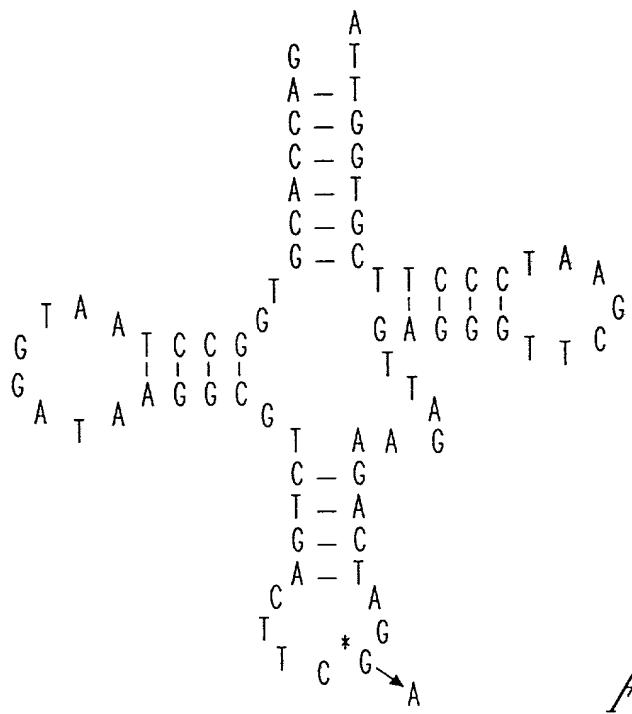


Fig. 2A

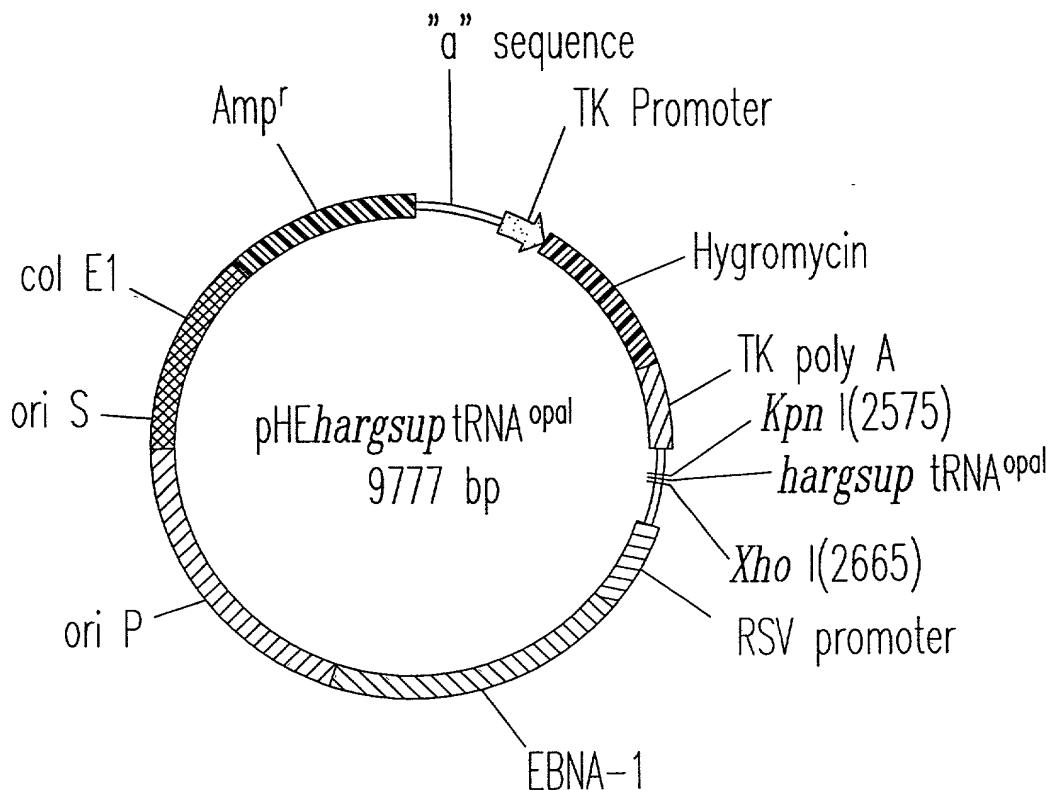


Fig. 2B

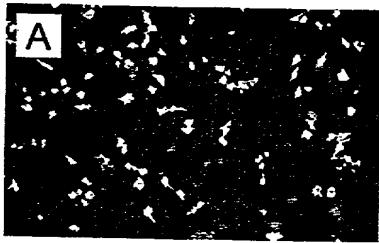


Fig. 3A

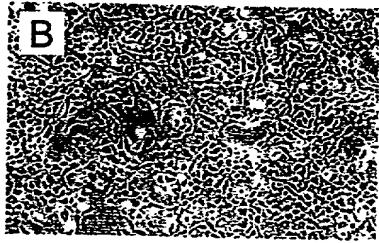


Fig. 3B

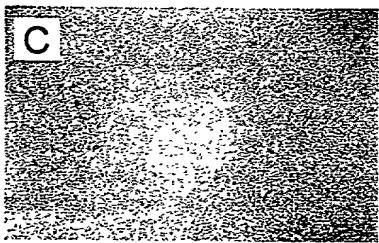


Fig. 3C

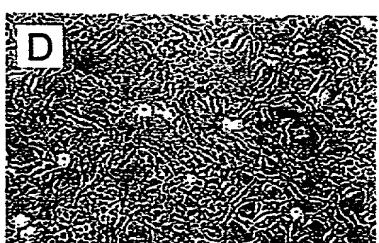


Fig. 3D

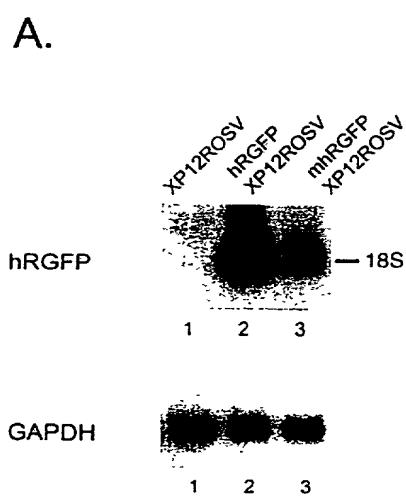


Fig. 4A

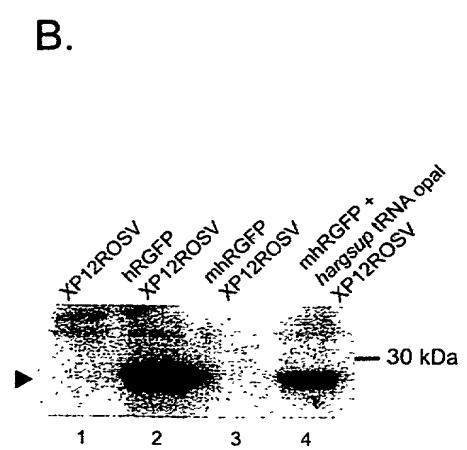
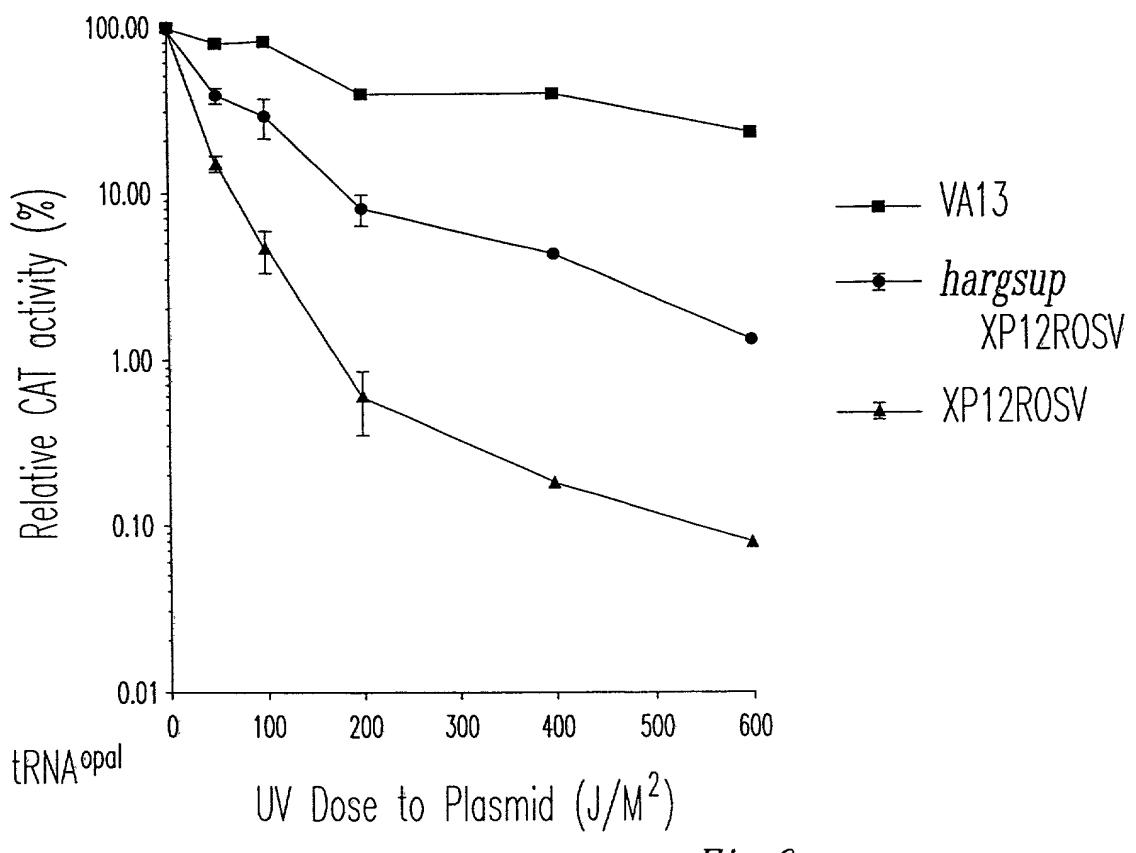
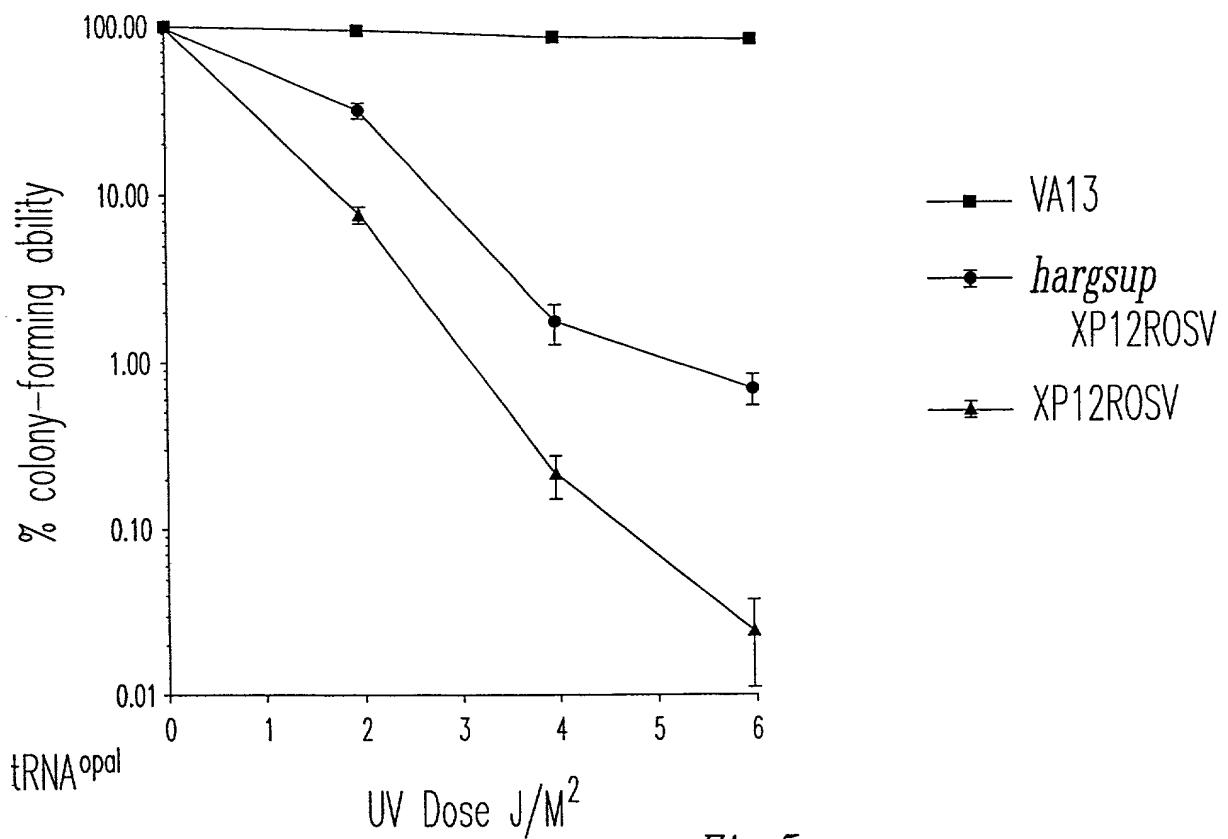


Fig. 4B



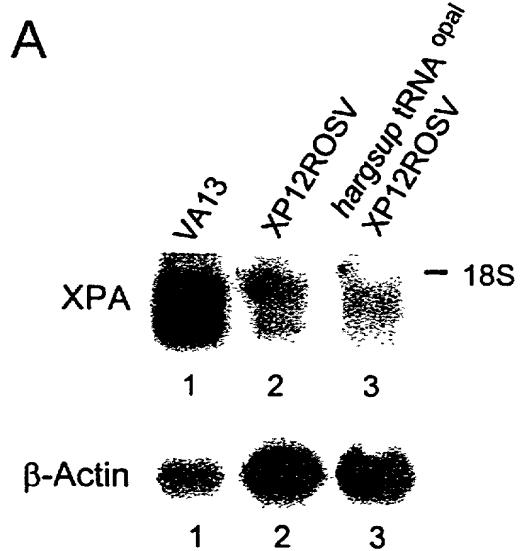


Fig. 7A

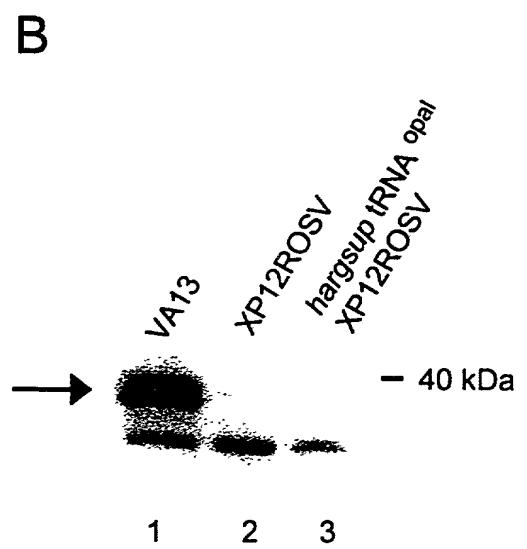


Fig. 7B

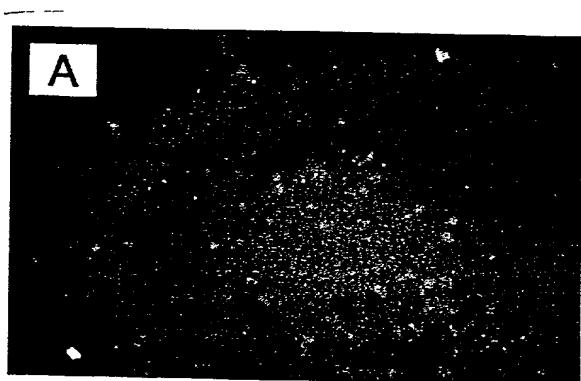


Fig. 8A

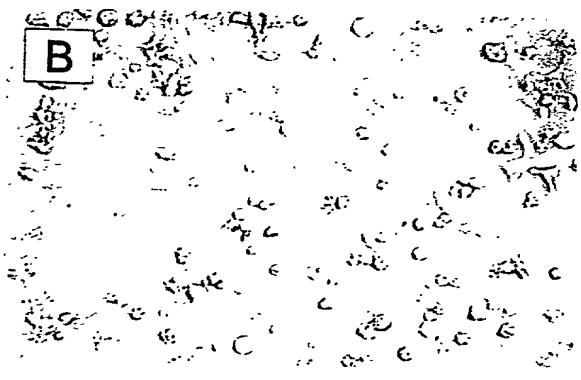


Fig. 8B

Human Opal/Amber Suppressor Ser tRNA (del CCA at the 3' end)

pHE 850

Human opal suppressor serine tRNA (using oligos RgP 24/25)

Human amber suppressor serine tRNA (using oligos RgP 18/4)

Human ochre suppressor serine tRNA (using oligos RgP73/74)

Ochre Serine
Amber Serine

Opal Serine

Fig. 9

Human Opal/Amber Suppressor Ser tRNA (del CCA at the 3' end)

pHE 850

Human opal suppressor serine tRNA (using oligos RgP24/25)

5' ggcgcgttaccgtaaaaaaaaggcacgcccgttagtgcggaggattcgaactgcggggagaccccataatggattgagtccatgccttaaccactcgccacgactaccaggtcgcgc
 3' cgcgcattggcatttttcgtcatttttttcgtgcggcatagccgtcctaaagcttgcgcccctctgggttacctaacttcaggtagcggaaatttgtgatggcgaccgcg
 Kpn I
 Pvu II

Human amber suppressor serine tRNA (using oligos 18/4)

Amber Serine Opal Serine

Fig. 10

Fig. 10

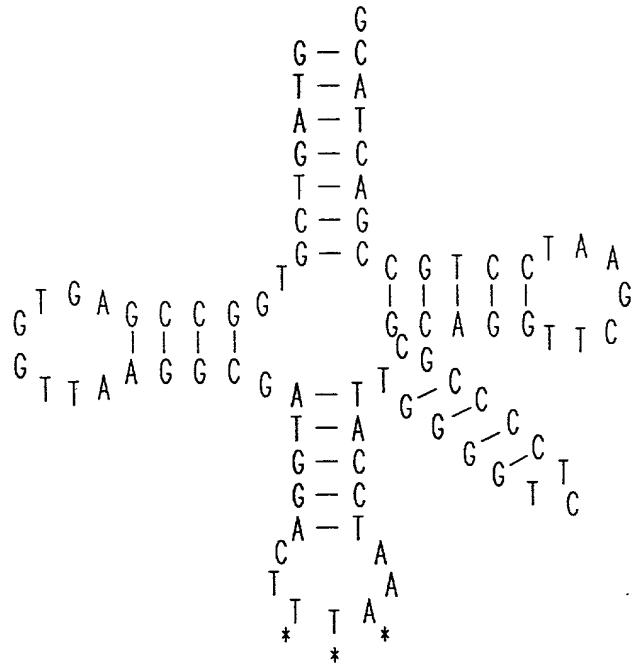


Fig. 11

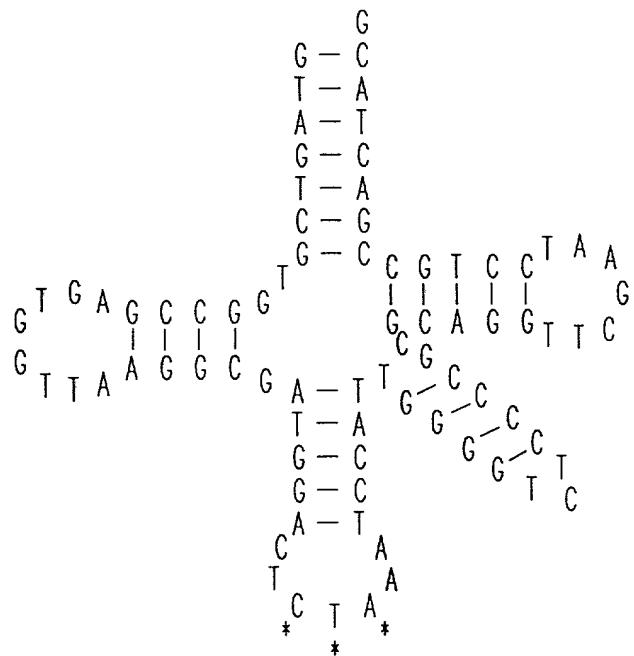


Fig. 12

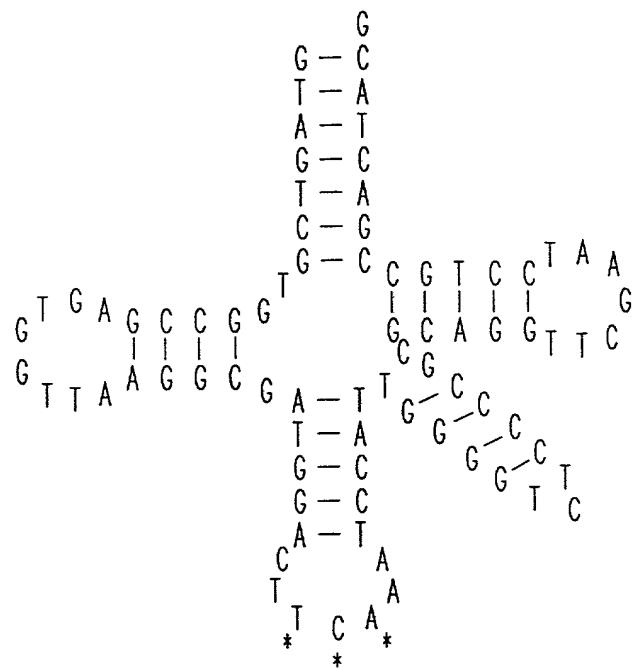


Fig. 13

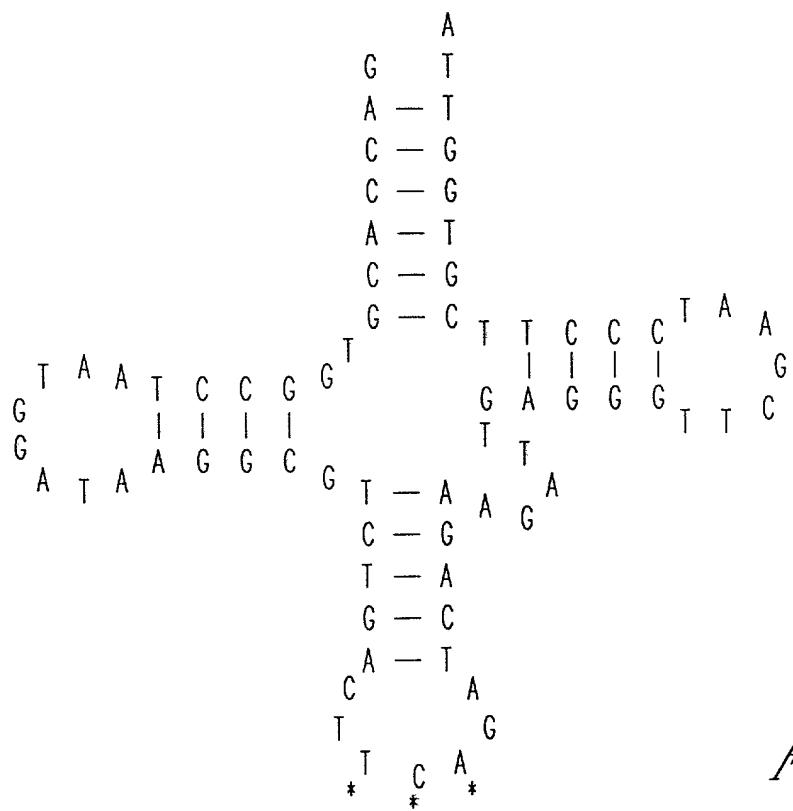


Fig. 14